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direction in the same manner into a plurality of elements so that each element of one of the electrode is opposed to one of the elements of the other electrode with the photoconductive material layer 223c intervening therebetween. With this arrangement, a plurality of photoelectric conversion segments which function independently of each other are formed.

IN THE CLAIMS:

Claims 9-30 and 37-58 are cancelled without prejudice or disclaimer.

The claims are amended as follows:

5 (Amended). An image read-out system comprising
a stimulating light source which emits stimulating light in a wavelength range of not shorter than 600nm,

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a stimulating light scanning means which causes the stimulating light emitted from the stimulating light source to scan a stimuable phosphor sheet having a layer of stimuable phosphor which emits stimulated emission in a wavelength range of not longer than 500nm in proportion to the stored energy of radiation upon exposure to the stimulating light,

a solid image sensor having a photoconductive material layer the major component of which is a-Se and which exhibits electric conductivity upon exposure to the stimulated emission from the stimuable phosphor sheet,

an electric voltage imparting means which imparts an electric voltage to the photoconductive material layer of the solid image sensor to apply such an electric field as to generate an avalanche amplification effect in the photoconductive material layer, and

an image signal obtaining means which detects electric charges generated in the photoconductive material layer of the solid image sensor when the stimuable phosphor sheet is

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exposed to the stimulating light and stimulated emission emitted from the stimuable phosphor sheet impinges upon the photoconductive material with an electric voltage imparted to the photoconductive material layer by the electric voltage imparting means to apply said electric field as to generate said avalanche amplification effect in the photoconductive material layer, and detects an image signal representing an image stored on the stimuable phosphor sheet.

Kindly add the following new claims:

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60 (New). The image read-out system of claim 8 wherein the voltage fluctuation suppressing means monitors an output voltage during image read out and corrects the voltage of a power source based on stored voltage correction data.

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60 (New). The image read-out system of claim 5, further comprising an array of spaced apart electrodes disposed in a first direction and a second direction perpendicular to the first direction.

61 (New). The image read-out system of claim 60, wherein the electrodes disposed in the first direction are separated by a pixel element pitch, so that each electrode in the first direction is in a one-to-one correspondence with a picture element.
